

General

The phrase, “as directed by the Engineer” was (in most cases) removed, or revised to reference the Engineers authority to make changes to the contract under section 1-04.4. In some cases, the Engineer has authority to “direct” the location or method of work, but most occurrences of this overused phrase would result in a change to the contract and were struck. This phrase was modified in Sections 1-04.10, 1-07.13(4), 1-07.16(2), 1-10.4(2) 2-01.3(4), 2-03.3(11), 3-02.2(3), 5-04.3(8), 5-04.3(15), 7-09.3(10), 7-09.4, 7-14.3(3), 7-14.3(5), 8-02.1, 8-02.3(2)B, 8-07.1, 8-15.3(4), 8-15.3(6), 8-20.3(2), 8-20.3(4), 8-20.3(9), 8-20.3(13)A, 8-21.3(5), 8-21.3(9)F, 8-21.3(9)G, 8-22.1, 8-25.1, 8-29.3(3), 9-29.16(2)B, and 9-29.16(2)D.

Section 1-07.1 Laws to be Observed

References the safety and health regulations in a general sense rather than to specific sections as previously written. This is because laws and regulations change and cause a high maintenance demand in our provisions, and because overly specific references may exclude relevant regulations.

Section 1-07.5 Environmental Regulations

Modifies section title and adds common permit conditions into the contract. Permits are typically attached to contracts as Appendices, but permit requirements should be translated into contract provisions in order to be enforceable.

Section 1-07.7(2) Load Limits

Enhances the submittal information required of the Contractor when requesting use of existing or newly constructed bridges to support construction equipment during an active contract. Allows a more detailed analysis of whether equipment may cause damage to structures.

Section 1-07.11(10)B Required Records and Retention

This section is revised to allow MEURs in an alternate format.

Section 1-07.13(4) Repair of Damage

The loss control office has had some difficulty collecting from third party when the damage was incurred by the contractor. In the case of Repair of Impact Attenuator items, the damage is to the Contractor’s property and is reimbursed by the Owner. To claim against the third party, we need to have the Contractor’s rights of recovery. This provision may not belong in the Third Party section, as that section has referred exclusively to completed work, in which the Owner does have an interest. Nevertheless, the provision is in that section and refers to any reimbursement, not just those made through the Third Party Damage item.

Section 1-07.14 Responsibility for Damage

Allows WSDOT to determine entitlement and make payment on behalf of the Contractor for tort claims that go without response for greater than 60 days. Failure by Contractors to promptly respond to tort claims results in a public perception that WSDOT is unresponsive. Contractors that promptly respond to tort claims will not be affected by this provision, regardless of whether the claim is allowed or denied. This provision is only employed when Contractors fail to notify the Department of their determination within the specified time. Also, this section is revised to include the Governor in the list of entities to be indemnified, because WSDOT now reports directly to the Governor instead of to the Transportation Commission.

Section 1-07.15(1) Spill Prevention, Control and Countermeasures Plan

Revises references to Safety and Health regulations, and adds common permit conditions for work below ordinary high water. Permits are typically attached to contracts as Appendices, but permit requirements should be translated into contract provisions in order to be enforceable.

Section 1-07.16(1) Private/Public Property

This section is revised to control Contractor access to existing limited access controlled interstate facilities. This amendment restricts the Contractors use of WSDOT right-of-way to only those areas directly affected by the contract work, unless approved by the Engineer. It also allows the Contractor to access the worksite from adjacent properties, but does not allow the contractor to merge construction vehicles from that access with public traffic.

Section 1-07.16(2) Vegetation Protection and Restoration

This section updates the *Guide for Plant Appraisal* to the Current Edition. It also requires that a Certified Arborist perform any pruning of existing vegetation.

Section 1-07.16(3) Fences, Mailboxes, Incidentals

This section is revised to require the Contractor to maintain temporary fencing to prevent access to the worksite from adjacent private property.

Section 1-07.18 Public Liability and Property Damage Insurance

This specification was revised through a joint effort of working with contractors, insurance agents and WSDOT contract administrators from all around the state. In addition to increasing the coverage, the new provisions revise the duration of the OCPI policy and allow some deductibles for the first time. By working with the Contractors and their insurance agents, WSDOT will have improved its protection at a minimal increase in cost to the project.

Section 1-07.20 Patented Devices, Materials, and Processes

Includes the Governor in the list of entities to be indemnified because WSDOT now reports directly to the Governor instead of to the Transportation Commission.

Section 1-07.23(1) Construction Under Traffic.

This section is revised to prohibit Contractor access to interstate highways except from legal movements from existing facilities, or through other access points as specified.

Section 1-07.23(1) Construction Under Traffic

Requires 2 ft between temporary concrete barrier and drop-offs in order to be consistent with the Design Manual. The sixth paragraph, item 3.c. of this specification allowed temporary concrete barrier to be installed on the traffic side of the drop-off with 1 foot between the drop-off and the back of the barrier. This conflicted with the Design Manual Chap. 710, which required 2 ft deflection distance behind temporary barrier.

Section 1-07.26 Personal Liability of Public Officers

Includes the Governor in the list of entities to be indemnified because WSDOT now reports directly to the Governor instead of to the Transportation Commission.

Section 1-09.1 Measurement of Quantities

Defines the method and precision of measurement for bid items measured by the Hour in order to provide statewide uniformity.

Section 1-09.6 Force Account

This specification was revised by deleting the fourth and fifth sentences in the second paragraph under the heading “1. For Labor”. The original 1-09.6 update in 2000 included safety and health programs as “above the line” items and set labor markup at 26%. This

resulted in extensive disputes over safety and health pricing and led to a revision in 2002. Safety and health were deleted from above the line and were replaced by raising the markup to 29%. Everything worked well until the publication of the 2004 book, when the safety and health language was not deleted during the publication process of the 2004 book, but the markup was increased. This error led to the amendment in this package. It would be good to have a change order on existing contracts, but it is difficult to envision any Contractor agreeing to such a change at no cost. We do not wish to negotiate credits. It is most likely that jobs, if any, with the erroneous spec will be subject to this “double-dip” until they are completed.

Section 1-09.7 Mobilization

This specification was revised to allow the release of the remaining dollars bid for mobilization to be released at substantial completion in lieu of physical completion. It was never the intent to delay payment beyond “normal” contract work.

Section 1-10 Temporary Traffic Control

This entire section was rewritten and provides for a completely different way of doing business for temporary traffic control. A complete list of new standard items is included and a mechanism has been developed for converting some projects to lump sum traffic control bidding.

This rewrite is the result of a collaborative effort with the Associated General Contractors of Washington. Extensive fact-finding led to draft provisions. These were tested on 16 projects during the 2003 season. Post-contract surveys of the Project Engineers and Contractors involved in the trial jobs led to improvements in the specifications and a decision to proceed.

Please note that as of August 2, 2004 all Region General Special Provisions dealing with Division 1-10 should be deleted from your Region GSP files.

Section 1-10 Temporary Traffic Control

This section has received minor enhancements and formatting revisions resulting from user suggestions. In addition, Section 1-10.2(1)B is revised to reference the ATSSA publication *Quality Guidelines for Work Zone Traffic Control Devices*, revises the frequency for inspecting traffic control devices, and clarifies the requirements for completing the daily traffic control diary. Section 1-10.2(2) is enhanced to require an explicit statement on TCPs when flaggers or spotters will not be used. Section 1-10.2(3) is revised so that the *Quality Guidelines for Work Zone Traffic Control Devices* publication is acquired directly from ATSSA instead of WSDOT, and to clarify the acceptable condition and replacement period for unacceptable devices.

Section 1-10.3(1)A is revised to accept flagging cards issued by the state of Montana, and to clarify the duties of a spotter. Section 1-10.3(2)B is revised to make the use of a rolling slowdown optional. Section 1-10.3(2)E is revised to clarify the frequency for patrolling traffic control devices.

Revisions to Section 1-10.4(2) include the measurement of “Flaggers and Spotters” for each station that is staffed; the measurement of “Other Traffic Control Labor” for patrolling and maintaining per route regardless of the number of persons patrolling each route; the measurement of “Sequential Arrow Sign” for each sign that is operating; and the measurement of “Operation of Truck-Mounted Impact Attenuator” for each TMA manned and operated.

Section 1-10 Temporary Traffic Control

Clarifies that work performed by Traffic Control Supervisors performing the duties of “Flaggers and Spotters” or “Other Traffic Control Labor” may be measured and paid for under those bid items. Eliminates a conflict with Section 8-21 when the bid item for “Sign Covering” is included in the proposal.

Section 1-99 APWA Supplement

This entire Section was removed from the Standard Specifications and is now maintained on the WSDOT Highways and Local Programs web site in the form of General Special Provisions. The provisions can be found at <http://www.wsdot.wa.gov/partners/apwa/>

Section 2-02.3(3) Removal of Pavement, Sidewalks, and Curbs

This specification was revised by adding “Gutters” to the title and throughout this section and including 2-02.5. Gutters were always included as part of this removal but were never spelled out anywhere.

Section 2-03.3(14)D Compaction and Moisture Control Tests

This specification was revised to add test method AASHTO T 180 Method D for materials with 30% or more by weight retained on the U. S. No. 4 sieve and less than 30% retained on the ¾ inch sieve. This method was added because the WSDOT Test Method No. 606, was developed by WSDOT and nobody else had the equipment to perform the test. The addition of the test allows other agencies a method of testing the above material for moisture content.

Section 2-02.4 Measurement

Adds a Measurement statement to this section. The Measurement statement has never appeared in this section.

Section 2-09.3(1)E Backfilling

This section is revised to allow backfill of reinforced concrete retaining walls 15 ft in height or less after attaining 90% of design strength and cured per Section 6-02.3(11).

Section 2-09.3(3)A Preservation of Channel

Modifies language to address common permit conditions. Permits are typically attached to contracts as Appendices, but permit requirements should be translated into contract provisions in order to be enforceable.

Section 2-10.1 Ditch Excavation

This specification was revised by adding a reference to Section 2-03.3(14)M to remind the reader that ditches 8 or more feet wide at the bottom shall be paid as Roadway Exc.

Section 4-04.3(5) Shaping and Compaction

This specification was revised to reference the revision made to Section 2-03.3(14)D above.

Section 5-01 Cement Concrete Pavement Rehabilitation

Adds criteria for using concrete patching material, and modifies patching material mix designs from requiring an accredited laboratory to determine material proportions to requiring the manufacturers recommended proportions of materials. Defines the work involved in replacing uncompactible surfacing material beneath panels to be replaced, and provides for force account payment for this work because it is impossible to estimate and has been the source of many change orders in the past. Adds opening to traffic requirements for dowel bar retrofit, as this was missing from previous editions. Extends the requirement for containment of concrete slurry to all work in this section, as this previously applied to concrete grinding only.

Section 5-01.3(1)A Concrete Mix Design for Concrete Patching Materials

Deleted aggregate extender meeting AASHTO Grading No. 7 from the allowable materials. This aggregate size may be too large to properly consolidate around the dowel bar, and has resulted in voids beneath the dowel bar.

Section 5-01.3(6) Dowel Bar Retrofit

This specification was revised by adding “pressure washing of the slots” as a method of cleaning the slots prior to the placement and grouting of the dowel bars. By adding this method of cleaning, numerous change orders will not have to be written, as has been done in the past, due to numerous requests by the contractors.

Section 5-01.5 Payment

This specification was revised to correct an editing error.

Section 5-04.3(7)A – Mix Design

Requires the contractor to use the standard form for mix design submittals.

Section 5-04.3(8)A Acceptance Sampling and Testing – HMA Mixture

Deletes the requirement for Flat and Elongated particles. Recent study data suggests that the test methods for determining the percentage of Flat and Elongated particles is highly variable and suggests that the ratio and allowable percentage be changed. WSDOT will study this further before deciding whether to revise the test requirements, but has decided for now to remove them.

Section 5-04.3(8)A Acceptance Sampling and Testing – HMA Mixture

This specification was revised by changing the test method for volumetric properties (VMA, VFA and VA) from WSDOT FOP for AASHTO T 312 to WSDOT SOP 731.

Section 5-04.3(8)A Acceptance Sampling and Testing – HMA Mixture

This specification was revised to allow the statistical evaluation of the mix design including the percent of air voids (Va) to be challenged. The allowable deviation sieve sizes were also corrected to be in accordance with Section 9-03.8(6).

Section 5-04.3(8)A – Acceptance Sampling and Testing

This section is revised to permit the Contractor to challenge test results for percent air voids (Va) in the test section. It also defines the allowable deviation of percent air voids (Va) and revises the test methods for testing of HMA volumetric properties.

Section 5-04.3(13) Surface Smoothness

This specification was revised to correct a printing error in the 2004 Spec book by adding a value (1/8 inch) that the wearing course can not vary by under the lower edge of a 10 foot straight edge.

Section 5-04.4 Measurement

This specification was revised by adding a measurement statement for “Commercial HMA”.

Section 5-04.5 Payment

Revise statement for “Pavement Repair Excavation Incl. Haul” to exclude the cost of HMA for backfilling the excavation. The previous statement for pavement repair excavation included all work described 5-04.3(5)E, and that section describes backfilling with HMA.

Section 5-05.3(1) Concrete Mix Design for Paving

This section is revised to modify the amount of fly ash and ground granulated blast furnace slag that is permitted in mix designs for concrete paving. It also reduces the

minimum content for cementitious material for any mix design by one pound per cubic yard.

Section 5-05.3(7) Placing, Spreading, and Compacting Concrete

Modifies density requirement from a percentage of the “original” mix design to a percentage of the “approved” mix design density. Mix design changes are allowed and the maximum density of the HMA mix design may vary throughout the life of the contract.

Section 6-01.6 Load Restrictions on Bridges Under Construction

Enhances the submittal information required of the Contractor when requesting use of existing or newly constructed bridges to support construction equipment during an active contract. Allows a more detailed analysis of whether equipment may cause damage to structures.

Section 6-02.2 Materials

Adds a reference to the new subsection 9-23.11 - Microsilica Fume. Microsilica Fume was allowed in all concrete mix designs by the December 6 amendment, but did not include material requirements.

Section 6-02.2(2)A Contractor Mix Designs

This section is revised to allow microsilica fume in all mix designs.

Section 6-02.3(2) Proportioning Materials

This section is revised to modify the amount of fly ash and ground granulated blast furnace slag that is permitted in mix designs for concrete structures.

Section 6-02.3(4) Ready-Mix Concrete

Makes the concrete supplier responsible for plant prequalification, and to delete the small quantity requirement. This change is made to move the department closer towards the National Ready Mix Concrete Association requirements, and to make the plant qualification an end result spec.

Section 6-02.3(5)A General

This specification was revised requiring the contractor to supply the “exact mix I.D.” for the concrete being evaluated for individual strength test.

Section 6-02.3(5)C Conformance to Mix Design

This section is revised to modify the tolerances of mix design weights for cement, coarse aggregate and fine aggregate.

Section 6-02.3(6)A Weather and Temperature limits to Protect Concrete

This specification was revised for clarity and to require the contractor to provide a maturity meter while curing concrete in cold weather conditions.

Section 6-02.3(6)D Protection Against Vibration

New provisions that prohibit vibration-causing operations and equipment in the vicinity of freshly placed concrete in order to eliminate vibration damage caused prior to concrete setting.

Section 6-02.3(10) Roadway Slabs

Connected an unassociated reference to bridge deck widenings over 20’ to the Contractors option of proposing the use of hand operated screeds.

Section 6-02.3(11) Curing Concrete

This specification was revised to clearly spell out that when continuous moisture or wet curing is required, the contractor shall keep the concrete surfaces wet with water not just wet burlap or quilted blankets.

Section 6-02.3(11) Curing Concrete

Enhanced to provide a timeline for applying curing compound, to require soaker hoses for deck pours, and to eliminate the lag between burlap placement and installation of white plastic sheeting. Initial curing of concrete bridge decks has proven to be a major factor in the lifespan of the structure.

Section 6-02.3(17)K Concrete Forms on Steel Spans

This specification was revised to add clarity and emphasize the intent of preventing rotation and distortion of the steel girder web from the application of temporary formwork loading.

Section 6-02.3(17)O Early Concrete Test Cylinder Breaks

This section is revised to require contractors' laboratories calibrate their equipment and testers to be ACI certified, and provide proof of calibration and certification.

Section 6-02.3(19) Bridge Bearings

This section is revised to delete the requirement for bonding the bearing pad to the structure, and delete the requirement for lubricating the sliding surfaces prior to installation.

Section 6-02.3(20) Grout for Anchor Bolts and Bridge Bearings

This section is revised to specify the minimum compressive strength required before the grout pad may be loaded.

Section 6-02.3(21) Drainage of Box Girder Cells

This section is revised to require that box girder cell drainage holes be screened.

Section 6-02.3(22) Drainage of Substructure

This section is revised to require that weep holes be screened with geotextile.

Section 6-02.3(24)C Placing and Fastening

This section is revised to add top of reinforcing steel cage elevation placement tolerances for Drilled Shafts.

Section 6-02.3(24)E Welding Reinforcing Steel

This specification was revised to add additional types of welding of bar joints beyond just butt welds. This was prompted by the evolution of different seismic design requirements for reinforcing steel.

Section 6-02.3(25) Prestressed Concrete Girders

This specification was revised to add new wide flange I girders, bulb tee girders, thin flange deck bulb tee girders, and double tee girders. In addition, it was revised to bring all the Precast Concrete Institute (PCI) terminology and practices up to current practices, the current references to segmental prestressed concrete girders were revised to spliced concrete girders to avoid confusion with segmental box girder construction, grout and concrete strengths and girder stress equations were brought up to current PCI recommendations and girder erection and flange connection requirements were updated.

Section 6-02.3(25)N Prestressing Concrete Girder Erection

Deletes the language regarding curing grout pads prior to placing girders because this requirement is already contained in section 6-02.3(20). This revision also clarifies the requirement for checking girder alignment prior to casting bridge diaphragms.

Section 6-02.3(26)C Bearing Type Anchorages

This specification was revised to bring the grout and concrete strengths up to current PCI recommendations.

Section 6-02.3(26)H Grouting

This specification was revised to delete an AASHTO test method that does not apply to the contract. This is a lab test only.

Section 6-02.3(27) Concrete for Precast Units

This specification was modified to add the use of Self Compacting Concrete (SCC) for constructing drainage items covered under Section 9-12.

Section 6-02.3(17)F Bracing

Includes several new girder types that have been added recently.

Section 6-02.3(17)O Early Concrete Test Cylinder Breaks

Adds requirement for Contractors' testing laboratories to use calibrated equipment, to provide testers that are ACI certified or qualified according to AASHTO R18, and to submit proof of equipment calibration and tester qualification.

Section 6-02.3(25) Prestressed Concrete Girders

Deletes several types of girders that are no longer produced.

Section 6-02.3(25)B Casting

By agreement with industry, removes the requirement for air entrained concrete in the top two inches of prestressed concrete girders because it reduced strength, and was rarely subject to freeze-thaw because the girders are generally overlaid with concrete or asphalt. Also deletes several types of girders that are no longer produced.

Section 6-02.3(25)K Girder Deflection

The Bridge and Structures Office is revising how the prestressed girder midspan deflections are presented in the Plans. Instead of specifying dimensions at one specific time after fabrication, the deflections will be specified for a specific time period range. This section is revised to specify girder deflections at midspan at 40 and 120 days after release of the prestressing strands.

Section 6-02.3(25)L Handling and Storage

Deletes several types of girders that are no longer produced.

Section 6-02.3(25)M Shipping

Deletes several types of girders that are no longer produced.

Section 6-02.3(25)N Prestressed Concrete Girder Erection

Deletes the requirement to grout the remaining dowel bar into the precast prestressed concrete slab, because the grout is unnecessary and can cause problems if incorrectly installed.

Section 6-02.3(25)O Deck Bulb Tee Girder Flange Connection

Deletes the requirement to grout the keyways for girders receiving a cast-in-place concrete deck, because the keyway is filled with concrete during deck placement.

Section 6-02.3(26)E Ducts

The specifications for ducts used for longitudinal tendons, and for high-strength steel bars preassembled with their ducts, are revised to conform to current industry practices.

Section 6-03.3(14) Edge Finishing

This specification was revised to bring the terminology for cutting steel up to date with the Industry standards.

Section 6-03.3(33) Bolted Connections

This section is revised to correct an error in the bolt lengths in Table 4.

Section 6-03.3(39) Swinging the Span

This section was revised to reflect the use of Contractor supplied surveying on a project. As it is currently written, it requires WSDOT to perform certain surveying activities even if Contractor supplied surveying is utilized on a project.

Section 6-05.3(9)A Pile Driving Equipment Approval

This section is revised to redefine the resistance of the pile used in the wave equation analyses, and modifies the requirement for submitting a wave equation analysis.

Section 6-05.3(12) Determination of Bearing Values

The formula for determining pile bearing values is revised based on research of LRFD (Load and Resistance Factor Design) data to remove inaccuracies.

Section 6-07.3(2)A Bridge Cleaning

This specification was revised by adding a missing value (4) for the gallons per minute (gpm) under the heading of *Pressure Flushing*.

Section 6-09.2 Materials

Adds a reference to the new subsection 9-23.11 Microsilica Fume. Microsilica Fume was allowed in all concrete mix designs by the December 6 amendment, but did not include material requirements. This revision also removes testing requirements duplicated in Section 9-23.11.

Section 6-10.2 Materials

Provides material specifications for drift pins and steel pins for type 3 anchors. These requirements were not previously specified.

Section 6-10.3 Construction Requirements

This specification was supplemented to reflect changes in the Standard Plans by adding cast in place barrier for geosynthetic walls, light standard foundations, and sign bridge foundations.

Section 6-10.3 – Construction Requirements

Requires concrete barrier transition Type 2 to F-shape be precast, and to delete reference to geosynthetic wall moment slabs. All requirements for geosynthetic walls are now included in Section 6-14.

Section 6-10.3(2) Cast-in-Place Concrete Barrier

Includes traffic barrier, traffic pedestrian barrier and pedestrian barrier in the Standard Specifications and eliminates the GSP's associated with this work.

Section 6-10.4 Measurement

This specification was supplemented to add a measurement statement for the following items added in the standard plans.

- Concrete Barrier Transition Type 2 to Bridge F-Shape
- Single Slope Concrete Barrier Light Standard Foundation
- Perm. Geosynthetic Wall Single Slope Barrier
- Perm. Geosynthetic Wall F-Shape Barrier

Section 6-10.4 Measurement

Adds Traffic Barrier, Traffic Pedestrian Barrier, Pedestrian Barrier, and Conc. Barrier and eliminates the GSP's associated with this work. Also removes geosynthetic wall from this section, as geosynthetic walls are now included in Section 6-14.

Section 6-10.5 Payment

This specification was supplemented to add a payment statement for the following items added in the standard plans.

- Concrete Barrier Transition Type 2 to Bridge F-Shape

- Single Slope Concrete Barrier Light Standard Foundation
- Perm. Geosynthetic Wall Single Slope Barrier
- Perm. Geosynthetic Wall F-Shape Barrier

Section 6-10.5 Payment

Adds items for Traffic Barrier, Traffic Pedestrian Barrier, Pedestrian Barrier, and Conc. Barrier Transition Type 2 to Bridge F-Shape. Deletes items for Geosynthetic Wall Barriers.

Section 6-11 Reinforced Concrete Walls

This specification was totally rewritten to incorporate existing General Special Provisions into the standard specifications.

Section 6-12 Noise Barrier Walls

This is a **new** section that was generated by elevating existing General Special Provisions into the standard specifications. This was prompted by the upcoming design/build projects.

Section 6-13 Structural Earth Walls

This is a **new** section that was generated by elevating existing General Special Provisions into the standard specifications. This was prompted by the upcoming design/build projects.

Section 6-13.3(2) Submittals

Adds concrete blocks into the requirements for fabrication of structural wall components. Formerly accepted by certification, concrete blocks will now require fabrication inspection. This is intended to make material acceptance easier and increase assurance that we are receiving the product our specifications require.

Section 6-13.3(4) Precast Concrete Facing Panel and Concrete Block Fabrication

Adds concrete blocks into the requirements for fabrication of structural wall components. Formerly accepted by certification, concrete blocks will now require fabrication inspection. This is intended to make material acceptance easier and increase assurance that we are receiving the product our specifications require.

Section 6-13.3(9) SEW Traffic Barrier and SEW Pedestrian Barrier

Deletes the language that prohibits slip-forming barrier. Allowing slip forming may result in higher productivity without sacrificing quality.

Section 6-13.4 Measurement

Adds a reference to Structure Excavation Class B and Shoring or Extra Excavation Class B according to Section 2-09.4. The lack of reference was incorrectly interpreted as meaning that Structure Excavation was included in the cost of the walls.

Section 6-13.5 Payment

Adds items for Structure Excavation Class B, Structure Excavation Class B Incl. Haul, and Shoring or Extra Excavation Class B.

Section 6-14 Geosynthetic Retaining Walls

This is a new section that was generated by elevating existing General Special Provisions into the standard specifications. This was prompted by the upcoming design/build projects.

Section 6-14. 3(7) Geosynthetic Wall Traffic Barrier and Geosynthetic Retaining Wall Pedestrian Barrier

Adds single slope and f-shape traffic barrier to be consistent with revisions to Standard Plans D-3b and D-3c. Deletes the language that prohibits slip-forming barrier. Allowing slip forming may result in higher productivity without sacrificing quality.

Section 6-14.4 Measurement

Adds single slope and f-shape traffic barrier to be consistent with revisions to Standard Plans D-3b and D-3c. Adds a reference to Structure Excavation Class B and Shoring or Extra Excavation Class B according to Section 2-09.4. The lack of reference was incorrectly interpreted as meaning that Structure Excavation was included in the cost of the walls.

Section 6-14.5 Payment

Revises the item for Geosynthetic Wall Single Slope Barrier and adds items for Geosynthetic Wall F-Shape Traffic Barrier, Structure Excavation Class B, Structure Excavation Class B Incl. Haul, and Shoring or Extra Excavation Class B.

Section 6-15 Soil Nail Walls

This is a new section that was generated by elevating existing General Special Provisions into the standard specifications. This was prompted by the upcoming design/build projects.

Section 6-15.3(8) Soil Nail Testing and Acceptance

Clarifies how soil nail test loads are to be monitored during the testing process because the testing procedures were not specified.

Section 6-16 Soldier Pile And Soldier Pile Tieback Walls

This is a new section that was generated by elevating existing General Special Provisions into the standard specifications. This was prompted by the upcoming design/build projects.

Section 6-16.3(3) Shaft Excavation

Allows up to 12 inches of loose or disturbed material in the bottom of the shaft excavation prior to concrete placement for soldier piles without permanent ground anchors. The additional loose or disturbed material is not harmful to the construction of the structure.

Section 6-17 Permanent Ground Anchors

This is a new section that was generated by elevating existing General Special Provisions into the standard specifications. This was prompted by the upcoming design/build projects.

Section 6-17.3(8) Testing and Stressing

Clarifies how permanent ground anchor test loads are to be monitored during the testing process because the testing procedures were not specified.

Section 6-17.3(8)A Verification Testing

Revised to require verification testing only when specified in the Special Provisions upon the recommendation of the Materials Laboratory Geotechnical Services Division. This testing is only necessary under certain soil conditions.

Section 6-17.3(8)B Performance Testing

Revised to specify the testing schedule for both the Load Resistance Factor Design method and the Load Factor Design Method, as these are the current industry standards for this type of work.

Section 6-17.3(8)C Proof Testing

Revised to specify the testing schedule for both the Load Resistance Factor Design method and the Load Factor Design Method, as these are the current industry standards for this type of work.

Section 6-18 Shotcrete Facing

This is a new section that was generated by elevating existing General Special Provisions into the standard specifications. This was prompted by the upcoming design/build projects.

Section 7-05.5 Payment

This specification was revised to clarify the fact that all costs associated with furnishing and installing gravel backfill for bedding also included all types of inlets. In addition, a payment statement for a Combination Inlet was added to accommodate a new drawing in the standard plans.

Section 8-01.3(1)B Erosion and Sediment Control (ESC) Lead

This was revised to clarify and change the duties of an ESC Lead.

Section 8-01.3(1)C Water Management

Modifies section title and adds common permit conditions into the contract. Permits are typically attached to contracts as Appendices, but permit requirements should be translated into contract provisions in order to be enforceable.

Section 8-02.3(2) Roadside Work Plan

Enhanced to provide the specific requirements for each plan. The previous provision required submittal of a plan with no criteria for determining what to include in the plan or what might constitute an acceptable submittal.

Section 8-02.3(12) Completion of Initial Planting

Corrects an error that defined completion of planting as having 95% of plants healthy and installed per plan. Now, 100% must be installed per plan and 95% must be healthy to meet the criteria for completion.

Section 8-02.5 Payment

Redefines the payment schedule for planting and plant establishment to provide an amount that is more proportionate to the value of the work performed.

Section 8-04.3(1)A Extruded Cement Concrete Curb

This section is revised to delete the option for using adhesive to anchor the curb to the existing pavement.

Section 8-07.1 Description

This section was rewritten to add slope mountable curb and dual faced sloped mountable curb. These two items were added to the standard plans.

Section 8-07.3(1) Installing Curbs

This section was supplemented to add the installation requirements for slope mountable curb and dual faced sloped mountable curb.

Section 8-07.3(2) Painting of Curbs

This revision deletes paint formulas H-2-83 and H-3-83 for painting curbs and adds a reference to section 9-34.2 for replacement types of paint.

Section 8-07.4 Measurement

This section was supplemented to add a measurement statement for slope mountable curb and dual faced sloped mountable curb.

Section 8-07.5 Payment

This section was supplemented to add a payment statement for slope mountable curb and dual faced sloped mountable curb.

Section 8-08 Rumble Strips

Adds centerline rumble strips.

Section 8-12.3(1)A Posts

This specification was revised to correct the pull post spacing to be in accordance with the current Standard Plans.

Section 8-14 Cement Concrete Sidewalks

Prohibits embossing or stamping wet concrete, or casting with catalyst-hardened material to achieve the truncated dome pattern. Embossed and stamped patterns were not durable. Revised painting and color references because the color formulas have changed. Cleans up unneeded language in the Measurement statement.

Section 8-14.3 Construction Requirements

This section was supplemented by adding section 8-14.3(5) *Ramp Detectable Warning Retrofit*. This adds the construction requirements for placing the ADA required truncated dome warning to existing cement concrete sidewalk ramps.

Section 8-14.4 Measurement

This specification was supplemented by adding a measurement statement for the placement of truncated dome material involved with a ramp detectable warning retrofit on existing cement concrete sidewalk ramps.

Section 8-14.5 Payment

This specification was supplemented by adding a payment statement for the placement of truncated dome material involved with a ramp detectable warning retrofit on existing cement concrete sidewalk ramps.

Section 8-15.5 Payment

This section contains a minor revision to clarify the payment of the placement of Rip Rap by the ton or cubic yard.

Section 8-17 Impact Attenuator Systems

This specification was rewritten for clarity and it also deletes the requirement for a manufacturers representative to be on site when a temporary sand barrel impact attenuator is installed.

Section 8-18 Mail Box Support

This specification was revised to add new material under section 8-18.2 and a new section 8-18.3(1) to include a Type 3 Mailbox Support to reflect the changes in the new Standard Plan.

Section 8-19 Redirectional Land Form

This section was deleted per FHWA's direction due to a safety issue.

Section 8-20.3(6) Junction Boxes, Cable Vaults, and Pull Boxes

Revisions were made to this section as a result of the improper placement of junction boxes in concrete barrier. The revision includes a standard placement procedure and a repair procedure if the box is placed improperly.

Section 8-20.3(9) Bonding, Grounding

This specification was revised to correct a reference for the bonding of sign lighting fixtures.

Section 8-20.3(11) Testing

This revision modifies the turn-on procedure for signals and also clarifies the roles and responsibilities between the contractor and WSDOT personnel.

Section 8-22 Pavement Marking

Revises Crosswalk Line and adds Access Parking Space Symbol with Background, Yield Line Symbol, Yield Ahead Symbol and Speed Bump Symbol in order to be consistent with updates to the Standard Plans. Adds requirements for paint application on roads with Centerline Rumble Strips.

Section 8-22.3(2) Preparation of Roadway Surfaces

This section rewritten for clarity and to make it clear that existing pavement marking material will be removed and paid in accordance with the provisions in 8-22.

Section 8-22.3(3) Marking Application

This revision adds High and Low VOC Solvent paint for use and was added to the marking application chart. In addition, paragraphs nine and ten were modified to direct the reader to the Standard Plans for details involving profiled and embossed pavement markings due to a revision in Standard Plan H-5f that will be published and effective August 2, 2004.

Section 8-22.4 Measurement

This specification was rewritten for clarity by removing “as _____ Traffic Markings”, “Removing _____ Traffic Markings” and “Removing _____ Crosswalk Line”.

Section 8-22.4 Pavement Marking, Measurement

This section is revised to include Type 6 Traffic Arrows.

Section 8-23 Temporary Pavement Markings

Adds the statement that edge lines shall be installed only if specifically required in the contract. The statement was mistakenly omitted in a previous revision to this section.

Section 9-01.2(1) Portland Cement

This section is revised to limit the total amount of processing additions, and adds references to ASTM C150 and ASTM C191.

Section 9-01.2(4) Blended Hydraulic Cement

This section is revised to modify the amount of fly ash and ground granulated blast furnace slag that is permitted in mix designs for blended hydraulic cement. It also revises the material requirements for ground granulated blast furnace slag.

Section 9-02.1(4) Performance Graded Asphalt Binder

This section was reformatted for clarity due to new AASHTO requirements.

Section 9-02.1(9) Coal Tar Pitch Emulsions

Revised due to a change in the test method, from a Fed Spec to an ASTM test method.

Section 9-03.1(1) General Requirements

Updated to reflect the latest standards for Alkali Silica Reactivity (ASR) and mitigation for ASR, which came about through research done by the WSDOT HQ Mats Lab.

Section 9-03.1(4)C Grading

Revises acceptance tolerances of Portland cement concrete course aggregate to be more consistent with fine aggregates.

Section 9-03.1(5) Combined Aggregate Gradation for Portland Cement Concrete

This is a clarification of these requirements, as the combined gradation has been an option to using course and fine graded aggregates for some time.

Section 9-03.1(5)B Grading

Updates the 0.45 power chart to a more readable table format to replace the narrative version contained in the previous Standard Specifications.

Section 9-03.8(2) HMA Test Requirements

Deletes the Flat and Elongated test requirements for aggregates. Study data suggests the testing requirements should be modified. The HQ Material Lab will collect data to support a future revision in the testing methods and allowable aggregates properties.

Section 9-03.12(4) Gravel Backfill for Drains

This specification was revised to correct the percent passing the 3/8 inch square sieve.

Section 9-03.12(5) Gravel Backfill for Drywells

This section is revised to reduce the percent passing the 1" sieve.

Section 9-03.14(1) Gravel Borrow

This specification was supplemented to add a note that Ballast may be substituted for Gravel Borrow for embankment construction.

Section 9-03.14(4) Gravel Borrow for Geosynthetic Retaining Wall

This is a new section that adds specifications for borrow material listed in the new Section 6-14 listed above.

Section 9-03.21(2) Recycled Asphalt Concrete Pavement

This revision allows for the use of 1.2% of recycled ACP in gravel borrow if it is not going to be utilized in the construction of structural earth walls, geosynthetic retaining walls, or geosynthetic slope backfill.

Sections 9-04.2(2) Two Component Poured Rubber Joint Sealer

This specification revised the title of this section to "*Poured Rubber Joint Sealer*".

Section 9-05.1(2) Zinc Coated (Galvanized) or Aluminum Coated (Aluminized) Corrugated Iron or Steel Drain Pipe

Increases sheet thickness and deletes welded seam pipe. This is because the steel sheet thickness is made commonly as 0.064 and the welded seam is no longer available as standard industry product, though it is still covered under the referenced standards. Defines material requirements in addition to fabrication requirements.

Section 9-05.2(4) Zinc Coated (Galvanized) or Aluminum Coated (Aluminized) Corrugated Iron or Steel Underdrain Pipe

Increases sheet thickness and deletes welded seam pipe. This is because the steel sheet thickness is made commonly as 0.064 and the welded seam is no longer available as a standard industry product, though it is still covered under the referenced standards. Defines material requirements in addition to fabrication requirements because these were lacking.

Section 9-05.4 Steel Culvert Pipe and Pipe Arch

Deletes welded seam pipe. This is because welded seam is no longer available as standard industry product, though it is still covered under the referenced standards. Defines material requirements in addition to fabrication requirements because these were lacking.

Section 9-05.4(3) Protective Treatment

This adds polymer as an option and ensures the pipe is galvanized.

Section 9-05.4(3) Protective Treatment

This revision deletes pipe treatment numbers 3, 4, and 6. The manufacturers are no longer utilizing these types of treatments. Other revisions in 9-05 that are affected by this revision are 9-05.4(4), 9-05.10, and 9-05.11.

Section 9-05.4(4) Asphalt Coating and Paved Inverts

Deletes the Aluminum column and thicknesses as the asphalt coating can nullify the aluminum oxidizing process that provides the protection.

Section 9-05.4(5) Polymer Protective Coating

This is a new section, created to cover polymer treatments that are now available.

Section 9-05.5(3) Protective Treatment

This section is deleted. Asphalt coated aluminum will no longer be allowed, as the asphalt coating can nullify the aluminum oxidizing process that provides the protection.

Section 9-05.5(4) Asphalt Coatings

This section is deleted. Asphalt coated aluminum will no longer be allowed, as the asphalt coating can nullify the aluminum oxidizing process that provides the protection.

Section 9-05.9 Steel Spiral Rib Storm Sewer Pipe

This changes the configurations to currently manufactured products and adds polymer. It also deletes reference to welded seam pipe, as it is no longer available as a standard industry product.

Section 9-05.9(2) Continuous Welded Seam Pipe

This section is deleted. Welded seam is no longer available as a standard industry product.

Section 9-05.10 Steel Storm Sewer Pipe

This accounts for hydraulic requirement and deletes reference to welded seam pipe. Welded seam is no longer available as a standard industry product.

Section 9-05.11 Aluminum Storm Sewer Pipe

Asphalt treatments for aluminum are deleted as they can ruin the oxidation protection properties of aluminum.

Section 9-05.16 Grate Inlets and Drop Inlets

This revision adds the use of ASTM A 992 structural carbon steel based on the structural steel industry market. This is becoming the material of use for wide flange sections even though ASTM A 36 is still plentiful. Other specifications that have this addition are **9-06.16, 9-16.3(1), 9-16.3(2), 9-16.3(5), 9-28.11, 9-28.14(2), and 9-29.6(1).**

Section 9-05.17 Aluminum Spiral Rib Storm Sewer Pipe

This updates the provision to currently available configurations and deletes reference to coating. Asphalt treatments for aluminum can ruin the oxidation protection properties of aluminum.

Section 9-05.19 Corrugated Polyethylene Culvert Pipe

This revises the test method reference to conform to the current standards, as they have changed.

Section 9-06.18 Metal Railings

This specification was revised to limit the chemical contents for silicon content of galvanized steel products. By limiting the silicon content, we will prevent most of the mottled or dull gray or brown coloring we have seen over the years on our galvanized steel. Other specifications that include this revision are **6-06.2, 9-28.14(2), and 9-29.6(1).**

Section 9-07.3 Epoxy Coated Steel Reinforcing Bars

This section is revised to delete the requirement for providing a sample, and revises the requirement for providing manufacturers recommendations.

Section 9-07.10 Prestressing Reinforcement Strand

Reduces the sampling frequency and requires samples be sent to the Project Engineer rather than directly to the Material Lab. Allows the manufacturer to provide samples directly to the Engineer, and enables acceptance of the material prior to shipment to the jobsite.

Section 9-07.11 Prestressing Reinforcement Bar

Requires samples be sent to the Project Engineer rather than directly to the Materials Lab.

Section 9-08.2 Paint Formulas - General

This revision deletes paint formulas A-6-86 Zinc Dust Zinc Oxide Primer, H-2-83 White Masonry Paint for Precast Curbs, and H-3-83 Yellow Masonry Paint for Precast Curbs.

Section 9-09.2 Grade Requirements

This revision adds the use of Hem-Fir No. 1 for timber lagging used to construct soldier pile walls.

Section 9-10.5 Steel Piling

This specification was supplemented to add specifications for steel soldier piling and associated steel bars.

Section 9-12.4 Precast Concrete Manholes

Adds more details to the synthetic fiber reinforcing requirements of our contracts, as this technology continues to advance.

Section 9-12.5 Precast Concrete Catch Basins

Adds more details to the synthetic fiber reinforcing requirements of our contracts, as this technology continues to advance. Also, expands the use of synthetic fiber reinforcing to a broader range of applications.

Section 9-13.5(1) Semi Open Concrete Masonry Units Slope Protection

Deletes the reference to Type II because the current version of C 90 contains no reference to type.

Section 9-14.4(8) Compost

This specification was revised by allowing more fines in Type 2 Compost. As the specification was currently written, the Washington Organic Recyclers would not be able to supply Type 2 compost. Therefore, this specification was revised to reflect the AASHTO specifications which are more generous with the fines criteria.

Section 9-14.4(8) Compost

This specification was revised to reference the new regulations for compost production and quality. This replaces the interim rules previously referenced in this section.

Section 9-14.4(8) Compost

Revises the types of compost from Type 1 and 2 to Type 'Course' and 'Fine', in order to clear up confusion about the type of feedstock used to manufacture the compost. Also revised testing procedures from AASHTO test method to a TMECC test method, because the AASHTO test methods were producing failing results for acceptable materials.

Changes Agency testing to testing by an independent STA program approved lab, because costs for independent testing are lower and demands for WSDOT lab time are high.

Section 9-15.2 Drip Tubing

This specification was revised by deleting the warranty language that required a 5 year warranty period.

Section 9-16.1 Chain Link Fence and Gates

This specification was totally rewritten to bring all the materials up to the current AASHTO standards and material acceptance criteria.

Section 9-16.2 Wire Fence and Gates

This specification was totally rewritten with exception of the Wood Fence Posts and Braces (section 9-16.2(1)B) to bring all the materials up to the current AASHTO standards and material acceptance criteria.

Section 9-16.2(1)B Wood Fence Posts and Braces

Deletes ACQ preservative treatment from the table of retention and penetration for wood fence posts and braces. Exposure to ACQ preservative is associated with accelerated corrosion of both aluminum and galvanized steel.

Section 9-16.3(2) Posts and Blocks

Deletes ACQ preservative treatment from the list of allowable treatments for wood guardrail posts and blocks. Exposure to ACQ preservative is associated with accelerated corrosion of both aluminum and galvanized steel.

Section 9-16.3(4) Hardware

This specification was supplemented to add a sentence that allows the acceptance of A 307 bolts by field verification and documentation.

Section 9-17 Flexible Guide Posts

This section is revised to include surface mounted and guardrail mounted guide posts. It also adds requirements for physical dimensions and revises the reflective sheeting requirements. Laboratory and field test requirements were revised and acceptance criteria was added.

Sections 9-17.3 Field Tests

This specification revised the testing method requirement for item No. 4 from 35 to 55 miles per hour to reflect the AASHTO requirements. This spec has been a misprint for a number of years.

Section 9-20 Concrete Patching Material

Clarifies the submittal, approval, and acceptance procedure for concrete patching material used for dowel bar retrofit, partial depth spall repair and panel replacement.

Section 9-20.2(2) Patching Mortar Extended with Aggregate

Deleted aggregate extender meeting AASHTO Grading No. 7 from the allowable materials. This aggregate size may be too large to properly consolidate around the dowel bar, and has resulted in voids beneath the dowel bar.

Section 9-23.10 Ground Granulated Blast Furnace Slag

This section is added and specifies the requirements for ground granulated blast furnace slag.

Section 9-23.11 Microsilica Fume

Adds material requirements for Microsilica Fume. This additive is now allowed in all cement concrete mix designs.

Section 9-28 Signing Materials and Fabrication

This specification was revised by deleting all the temporary construction-signing specifications from this section and adding them in the new Division 9-35 *Temporary Traffic Control Material*.

Section 9-28.6 Destination Sign Messages

This specification is revised to delete the second paragraph.

Section 9-28.8 Sheet Aluminum Signs

This specification was revised by adding a sheet aluminum thickness for permanent signs over 36 inches. It also deleted paint formula A-6-86 and added formulas A-9-73 and A-11-99 in its place.

Section 9-29.3 Conductor Cable

This revision further defines the requirements for conductor cable used inside the illumination and signal poles. These cables in addition to carrying current must also endure the consistent movement of the poles and may experience failure due to the coating of the wire wearing off, thus prompting this revision.

Section 9-29.3 Conductors, Cable

This section was rewritten to specify pole and bracket cable that is now currently available commercially from suppliers, because the only manufacturer that previously produced pole and bracket cable, meeting the specification, went out of business.

Section 9-29.3 Conductors, Cable

This section was rewritten to specify pole and bracket cable that is now currently available commercially from suppliers, because the only manufacturer that previously produced pole and bracket cable, meeting the specification, went out of business.

Section 9-29.6 Light and Signal Standards

This section was supplemented by adding a reference to section 6-03 to clarify the requirement to finish the edges of light and signal standards in accordance with 6-03.3(14).

Section 9-29.6 Light and Signal Standards

This section was supplemented by adding a reference to section 6-03 to clarify the requirement to finish the edges of light and signal standards in accordance with 6-03.3(14).

Section 9-29.6(2) Slip Base Hardware

Revises an outdated ASTM material specification.

Section 9-29.10 Luminaires

This revision deletes the hot dipped galvanized requirements for luminaries to allow for other acceptable methods of applying galvanization on the poles.

Section 9-29.13 Traffic Signal Controllers

This specification was supplemented by adding a procedure on how all the traffic signal equipment will be tested.

Section 9-29.13(7) Traffic-Actuated Controllers

Minor revisions were made to this specification to standardize traffic signal controllers. Also included in this standardization are Sections **9-29.13(7)B** and **9-29.13(7)D**.

Section 9-29.13(7)E Type 170E, 170E-HC-11, 2070, 2070 Lite ATC Controller Cabinets

This specification deletes the requirements for a particular color for lock cores, addresses the coatings and deletes the requirement for heaters in the cabinets. The existing electronics within the cabinets create enough heat for the cabinets without an additional heating source being specified.

Section 9-29.16(2)A Optical Units

This specification was revised by deleting the warranty language contained in item No. 4.

Section 9-29.19 Pedestrian Push Buttons

This specification was revised by deleting the warranty language contained in paragraph No. 3.

Section 9-29.21 Flashing Beacon

This revision allows the use of LED or incandescent lighting technology for a flashing beacon.

Section 9-29.23(6) Radio Interference Suppressers

This section was revised by replacing the term “cycle” with “hertz”, a more commonly used term by the electronic industry.

Section 9-29.24 Service Cabinets

This revision clarifies that the control circuit conductors shall be No. 14 AWG stranded copper.

Section 9-29.25 Amplifier, Transformer, and Terminal Cabinets

This revision eliminates the requirement for core lock colors.

Section 9-30 Water Service Connections (2 Inches and Smaller)

This specification added the use of brass alloy for corporation stops and service fittings.

Section 9-30.3(1) Gate Valves (3 Inches to 12 Inches)

Allows the C515 spec to be used as an equivalent and deletes the old and rarely used, if ever, C500 spec. Also combines all gate valves 3 to 16 inches in diameter into this section now that C500 is eliminated.

Section 9-30.3(2) Gate Valves (14 Inches and 16 Inches)

Delete this section as it is now combined with the prior section.

Section 9-30.5(4) Hydrant Restraints

Corrects omission of shackle rod diameter.

Section 9-32 Mailbox Support

This specification was supplemented by adding new material specifications for concrete bases, steel pipe and U-channel posts to be in compliance with the Standard Plans and revisions made to Section 8-18.

Section 9-33 Construction Geosynthetic

This specification was totally rewritten to incorporate existing General Special Provisions into the standard specifications.

Section 9-33.1 Geosynthetic Materials Requirements

Replaces references to Table 9 and the Special Provisions with references to the Standard Plans. Since the completion and implementation of Standard Plan D-3 in June 2004, the physical property requirements for geosynthetic materials are now specified in the Standard Plans.

Section 9-34.2 Paint

Retroreflectance is revised to reflect measurement using the 30-meter retroreflectometer. This change is required because the 12-meter retroreflectometer is no longer the standard device used for measurement of this feature. The industry has moved to using the 30-meter device, and this revised provision is consistent with the methods defined in ASTM D 6359.

Section 9-34.3 Plastic

Retroreflectance is revised to reflect measurement using the 30-meter retroreflectometer. This change is required because the 12-meter retroreflectometer is no longer the standard device used for measurement of this feature. The industry has moved to using the 30-meter device, and this revised provision is consistent with the methods defined in ASTM D 6359. Also, the specification in Section 9-34.3(3) for Type C – Cold Applied Pre-

formed Tape is revised because Type VI and Type VII are not referred to in the latest version of ASTM D4505.

Section 9-34.5 Temporary Pavement Marking Tape

This specification was supplemented to add specifications of a new type of pavement marking masking tape to be utilized to temporarily cover existing permanent pavement markings, when called for, in construction work zones.

Section 9-35 Temporary Traffic Control Materials

This is a new section to go along with the rewrite of Section 1-10. It removes all the traffic control materials from section 1-10 and 9-28 and compiles them into this new section.

Section 9-35 Temporary Traffic Control Materials

This specification is revised to refer to the latest WSDOT adopted edition of the MUTCD. Additionally, Section 9-35.4 is revised to require Type C sequential arrow signs for stationary lane closures.

Section 9-35.2 Construction Signs

Removes conflicting statement that roll-up signs are not permitted.

The following sections were revised to correct minor publishing errors, referencing errors, and proof reading oversights. They are as follows: 2-09.4, 6-03.3(33), 7-12.3, 7-14.3(1), 7-14.3(6), 7-15.3, 7-17.3(2)B, 7-17.3(2)C, 7-17.3(2)E, 8-15.3(6), 8-20.3(4), 9-02.1(3), 9-02.1(4), 9-14.4(1), 9-16.3(2), and 9-29.6(1).